WHAT IS CLAIMED IS: at least partially implemented on a computer

1.   A method of dynamically managing the resources of a hierarchical organization, wherein the hierarchical organization comprises n levels $L_1 \ldots L_n$ with n being a positive integer, wherein for at least $i>1$ each level L_i comprises a plurality of

5   members, and wherein the members of level L_{i-1} comprise groupings of the members of level L_i, said method comprising:

creating a maintenance plan comprising at least one task at each level $L_1 \ldots L_n$, wherein for at least $i>1$ the at least one task at leach level L_i at least partially includes groupings of the at least one task of level L_{i-1}, and wherein the maintenance

10   plan at each level includes an associated predetermined threshold time;

scheduling performance of the at least one task by at least one resource, wherein the at least one resource acts on at least a portion of the at least one task to thereby perform the at least one task;

performing one of the at least one task at the level L_i;

15   monitoring the performance of the at least one task to determine an amount of time required to perform the task performed and thereafter projecting a completion time associated with the maintenance plan;

comparing the projected completion time to the predetermined threshold time associated with the maintenance plan, wherein when the projected completion time is

20   no greater than the predetermined threshold time another task of the maintenance plan is performed, monitored and compared at the level L_i until the each of the at least one task of the maintenance plan has been performed;

determining whether performance of the other tasks of the maintenance plan can be rescheduled such that the maintenance plan can be completed within the

25   predetermined threshold time, wherein determining occurs when the projected completion time is greater than the predetermined threshold time;

soliciting additional resources from a higher level L_{i+1}, wherein soliciting occurs when at least one resource cannot be rescheduled to execute the other tasks of the maintenance plan within the predetermined threshold time; and

30   allocating additional resources to level L_i and thereafter rescheduling the at least one resource at level L_i to include the additional resources allocated from level L_{i+1} to act on at least a portion of other of the at least one task to thereby perform the other of the at least one task.

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